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PTO/SB/17 (11-01)  
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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

## Complete if Known

Application Number 09/988,292  
Filing Date November 19, 2001  
First Named Inventor Guo-Liang Yu  
Examiner Name J. Tung  
Group Art Unit 1637  
Attorney Docket No. PF160D2

TECH CENTER 1600/2900

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## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit Account Number

08-3425

Deposit Account Name

Human Genome Sciences, Inc.

The Commissioner is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					0.00

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Total Claims	Extra Claims	Fee from below	Fee Paid
Total Claims	96	-149** =		0.00
Independent Claims	7	-10** =		0.00
Multiple Dependent				

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					0.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	180.00
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180.00

## SUBMITTED BY

Name (Print/Type) Lin J. Hymel Registration No. (Attorney/Agent) 45,414 Telephone (301) 251-6015  
Signature [Signature] Date 21 October 2002

10/23/2002 FHATLE1 00000022 083425 09988292

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Yu et al.

Attorney Docket No.: PF160D2

Application Serial No.: 09/988,292

Art Unit: 1637

Filed: November 19, 2001

Examiner: Tung, J.

Title: Colon Specific Genes and Proteins

#8/IDS  
MAY  
11/1/02

**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 C.F.R. § 1.97(c)(2)**

Commissioner for Patents and Trademarks  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of an claim of the subject application, Attorneys/Agents for Applicants hereby direct the Examiner's attention to references AA-AT listed on the attached revised form PTO/SB/08. Copies of the references are enclosed.

The relevancy of reference AB to the instant application can be found in the sequences appearing at pages 60-113 of the Japanese language document.

Applicants note that reference AD is in the Japanese language. Applicants refer the Examiner to reference AE, a GenSeq abstract of reference AD, for a concise explanation of the relevance of reference AD, in accordance with 37 C.F.R. § 1.98(a)(3)(i).

Applicants wish to bring to the attention of the Examiner that SEQ ID NO:15 and the corresponding cDNA clone of this application are related to SEQ ID NOS:7343, 7345, 7350, 7352, 7370, 18786, 20998, 23047, and 43554 in copending U.S. Patent Application Serial No. 09/912,292. A legible copy of that portion of U.S. Patent Application Serial No.

09/912,292, which caused it to be listed on the attached revised form PTO/SB/08 is submitted herewith as reference AS.

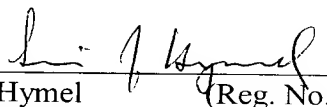
Identification of the listed reference is not to be construed as an admission of any individual associated with the filing or prosecution of the subject application that such reference is available as "prior art" against the subject application. Furthermore, Applicants do not waive any rights to appropriate action to establish patentability over the listed document should it be applied as a reference against the claims of the subject application.

The listed references are presented so that the Patent and Trademark Office can determine any materiality thereof to the claimed invention. See 37 CFR 1.104(a) concerning the Examiner's duty to consider and use any such information. Applicants respectfully request that the Examiner make the listed references of record in the file history of the application and consider the information contained therein during the prosecution of this application.

Pursuant to 37 C.F.R. § 1.97(c)(2), the Patent Office will consider this Supplemental Information Disclosure Statement if filed before the mailing date of a final Office Action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in this application and accompanied by the fee set forth in § 1.17(p). Accordingly, the required fee of \$180.00 is transmitted herewith with the concurrently filed Fee Transmittal, with the appropriate fee(s).

Respectfully submitted,

Dated: 21 October 2002

  
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LJH/MMW/SA/vsr